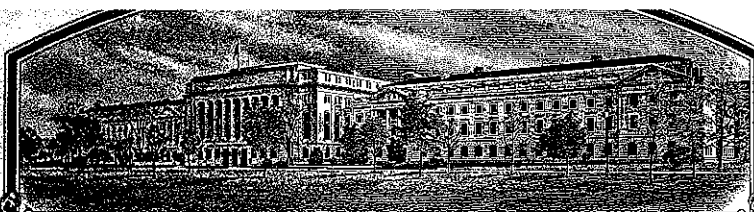


No.

200000070



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Seminis Vegetable Seeds, Inc.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Mohawk'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this nineteenth day of April, in the year two thousand and five.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture



REPRODUCE LOCALLY. Include form number and date on all reproductions.

FORM APPROVED - OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995:

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)

Seminis Vegetable Seeds, Inc.

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER

PSR 6386

3. VARIETY NAME

Mohawk

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

~~37437 State Hwy 16~~  
~~Woodland CA 95695~~  
2700 Camino del Sol  
Oxnard, CA 93030-7967

RAP 12/12/00

5. TELEPHONE (include area code)

(530) 666-0931

6. FAX (include area code)

(530) 666-6791

FOR OFFICIAL USE ONLY

PVPO NUMBER

20000007

FILING  
DATE

Dec. 6, 1999

7. GENUS AND SPECIES NAME

Lactuca Sativa L.

8. FAMILY NAME (Botanical)

Asteraceae

9. CROP KIND NAME (Common name)

Lettuce

10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common name)

Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION

California

12. DATE OF INCORPORATION

1962

FILING AND EXAMINATION FEE:

\$ 2450.00

DATE

Dec. 6, 1999

CERTIFICATION FEE:

\$ 432.00

DATE

3/31/2005

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

Sharen Chaffin  
Seminis Vegetable Seeds, Inc.  
37437 State Hwy 16  
Woodland CA 95616

Marcel Bruins  
Seminis Vegetable Seeds, Inc.  
Nude 54D  
6702 DN Wageningen  
The Netherlands  
mb Bruins@svseeds.nl  
Ph: 31 317 450218 Fax: 31 317 450217

14. TELEPHONE (include area code)

011 31 317 450218

15. FAX (include area code)

011 31 317 450217

16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions)

- a. ☒ Exhibit A. Origin and Breeding History of the Variety
- b. ☒ Exhibit B. Statement of Distinctness
- c. ☒ Exhibit C. Objective Description of the Variety
- d. ☐ Exhibit D. Additional Description of the Variety (Optional)
- e. ☒ Exhibit E. Statement of the Basis of the Applicant's Ownership
- f. ☒ Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in an approved public repository)
- g. ☐ Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)

17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(e) of the Plant Variety Protection Act)

☒ YES (If "yes," answer items 18 and 19 below)

☐ NO (If "no," go to item 20)

18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

☐ YES

☒ NO

19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?

☐ FOUNDATION

☐ REGISTERED

☐ CERTIFIED

20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?

☒ YES (If "yes," give names of countries and dates)

☐ NO

USA

AUG 1999

21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.

The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT (Owner(s))

SIGNATURE OF APPLICANT (Owner(s))

NAME (Please print or type)

NAME (Please print or type)

CAPACITY OR TITLE

DATE

CAPACITY OR TITLE

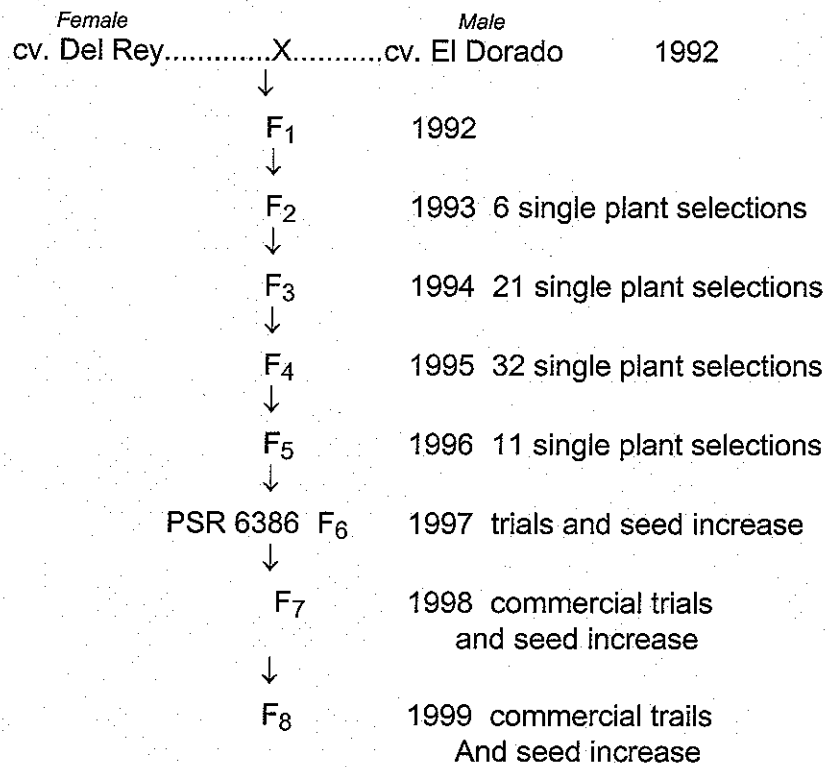
DATE

Director

12-3-99

Exhibit 16A. Origin and Breeding History of Lettuce cv. Mohawk (PSR 6386)

## Pedigree of cv. Mohawk



Cv. Mohawk (PSR 6386) originated in 1992 with the cross cv. Del Rey by cv. El Dorado. Single plant selections were made in subsequent years in the areas of intended commercialization. At an early stage, cv. Mohawk exhibited excellent uniformity and complete downy mildew resistance. By F<sub>6</sub> a group of 9 families was judged genetically stable and bulked for trialing and seed increase. An F<sub>7</sub> mass was trialed during 1998 and an increase of F<sub>8</sub> seed increase was produced in the San Joaquin Valley this year.

The breeding work was carried out by Dr. William Waycott at the Petoseed Company's Research Station at Arroyo Grande, California. Petoseed Company was purchased by Seminis Vegetables Seeds, Inc. in 1995, and the work continued by the same staff at the Arroyo Grande location until the present. Replicated field trials were conducted in production areas throughout the Desert Southwest of North America during 1998 and are planned for 1999.

The breeding method employed was pedigree selection, using both single plant selection and mass selection practices. The selection criteria for cv. Mohawk were:

1. a cultivar with increased uniformity, and improved heading ability, when compared to the most similar varieties, and
2. resistance to downy mildew

In trials of cv. Mohawk during **the last seven years covering generations F<sub>6</sub> to F<sub>13</sub>**, we have seen neither genetic variants nor off-types in more than 10,000 plants, **indicating that this variety is genetically uniform and stable.**

Exhibit 16B. Novelty Statement of Lettuce cv. Mohawk (PSR 6386)

Cv. Mohawk is described as a vigorous crisphead lettuce cultivar adapted to the Desert Southwest area of North America. Its optimum sowing period is 20 August to 10 September in the San Joaquin Valley of California, and from 20 September to 10 October in Western Arizona and Southern California. Cv. Mohawk is resistant to California pathotypes I, II, IIB, III, IV, and V of downy mildew. Cv. Mohawk was selected for improved uniformity and performance compared to the currently commercial cultivars grown during these production periods.

Phenotypically, cv. Mohawk is distinct from its most similar commercial cultivar, cv. Annie (**Table 1**). Cv. Mohawk is slightly smaller **in plant diameter** than cv. Annie (**45.8cm vs. 48.1cm**), more uniform, and downy mildew resistant (**resist. to I,IIa,IIb,III,IV,V**). In replicated field trials cv. Mohawk consistently exhibited more plants with round, firm, and heavy heads, **however on average these heads weighed 20g less per head (Mohawk 759.3g vs. Annie 779.5)**, while cv. Annie exhibited less uniformity of heading with several plants having soft or puffy heads, as well as susceptibility to downy mildew.

The data presented here are statistically different at the 95% confidence level, exhibiting a range of means for plant diameter from 45.56 to 46.10 for cv. Mohawk and from 47.71 to 48.44 for cv. Annie, of means for head diameter from 15.05 to 15.25 for cv. Mohawk and from 14.21 to 14.54 for cv. Annie, and of means for head weight from 758.33 to 760.17 for cv. Mohawk and from 778.23 to 780.28 for cv. Annie, using the 0.95 probability of generating confidence intervals (CI) that contains the means.

Table 1. Evaluation of Mohawk (PSR 6386) and the most similar cultivar, Annie, for several important characters.

Trial No	Cultivar	Downy Mildew Resist. <sup>b</sup>			Plant Diam. <sup>d</sup>	Head Diam. <sup>e</sup>	Head Weight <sup>f</sup>	No. of Days to 15 cm <sup>g</sup>
		Rep. No.	Color <sup>a</sup>	Mosaic Resist. <sup>c</sup>				
Trial 1: Evaluated: 12 Jan 99 Yuma, AZ	Mohawk:	Rep. 1	146A	I,IIa,IIb, III,IV,V	Suscept.	45.7±1.1	15.1±0.5	761±4.4
		Rep. 2	146A	I,IIa,IIb, III,IV,V	Suscept.	46.1±1.3	15.3±0.3	751±3.7
		Average: 146A			I,IIa,IIb, III,IV,V	Suscept.	45.9±1.2	15.2±0.4
		Rep. 1	146A	Suscept.	Suscept.	47.7±1.6	14.7±0.6	783±4.5
		Rep. 2	146A	Suscept.	Suscept.	48.1±1.7	14.0±0.9	778±4.9
Trial 2: Evaluated: 20 Jan 99 Yuma, AZ	Mohawk:	Average: 146A			Suscept.	47.9±1.7	14.4±0.8	781±4.7
		Rep. 1	146A	I,IIa,IIb, III,IV,V	Suscept.	45.6±1.4	15.6±0.4	758±3.8
		Rep. 2	146A	I,IIa,IIb, III,IV,V	Suscept.	45.9±1.0	14.6±0.5	767±4.6
		Average: 146A			I,IIa,IIb, III,IV,V	Suscept.	45.8±1.2	15.1±0.5
		Rep. 1	146A	Suscept.	Suscept.	48.3±1.9	14.0±0.7	774±4.1
Trial 3: Evaluated: 12 Jan 99 Yuma, AZ	Annie:	Rep. 2	146A	Suscept.	Suscept.	48.2±1.4	14.8±0.7	782±4.8
		Average: 146A			Suscept.	48.3±1.7	14.4±0.7	778±4.5
		Rep. 1	146A	Suscept.	Suscept.	48.3±1.9	14.0±0.7	774±4.1
		Rep. 2	146A	Suscept.	Suscept.	48.2±1.4	14.8±0.7	782±4.8
		Average: 146A			Suscept.	48.3±1.7	14.4±0.7	778±4.5

Range of variation among means of statistically significant differences at the 95% level using the confidence interval [CI = mean ± (SDXSE)]:

cv. Mohawk (PSR 6386)	45.56 to 46.10	15.05 to 15.25	758.33 to 760.17
cv. Annie	47.71 to 48.44	14.21 to 14.54	778.23 to 780.28

<sup>a</sup> Color evaluation was done using the Royal Horticultural Society color chart, U.K.

<sup>b</sup> Downy mildew survey reported as resistance to California Pathotypes I through V, using two replications each having 15 seedlings, grown in laboratory screens.

<sup>c</sup> Lettuce mosaic virus survey using two replications each having 40 seedlings, grown in laboratory screens.

<sup>d</sup> Mean plant diameter using two sowing dates of 20 plants per replication in cm ± standard deviation.

<sup>e</sup> Mean head diameter using two sowing dates of 20 plants per replication in cm ± standard deviation.

<sup>f</sup> Mean head weight using two sowing dates of 20 plants per replication in grams ± standard deviation.

<sup>g</sup> Mean number of days until stem reaches 15 cm using two replications of 20 plants each.

200000070

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE DIVISION  
OBJECTIVE DESCRIPTION OF VARIETY  
LETTUCE *Lactuca sativa*

EXHIBIT

NAME OF APPLICANT (S)

Seminis Vegetable Seeds, Inc.

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

37437 State Hwy 16  
Woodland CA 95695

FOR OFFICIAL USE ONLY

PPV# 200000070

VARIETY NAME

MOHAWK

EXPERIMENTAL DESIGNATION

PSR 6386

Place numbers in the boxes for the characters which best describe this variety. Measured data should be the mean of an appropriate number (at least 10) of well spaced plants. Royal Horticultural Society or any recognized color standard may be used to determine plant colors.

The location of the test area is:

Color System Used:

1. PLANT TYPE: (See list of suggested check varieties page 4.)

06

01=Cutting/Leaf  
02=Butterhead  
03=Bibb  
04=Cos or Romaine

05=Great Lakes Group  
06=Vanguard Group  
07=Imperial Group  
08=Eastern (Ithaca) Group

09=Stem  
10=Latin  
11=OTHER

2. SEED:

COLOR

1=White (Silver Gray)  
2=Black (Gray Brown)  
3=Brown (Amber)

LIGHT DORMANCY

1=Light Required  
2=Light Not Required

HEAT DORMANCY

1=Susceptible  
2=Not Susceptible

3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide a color photograph or photocopy of the fourth leaf from 20 day old seedling grown under optimal conditions.

2

SHAPE OF COTYLEDONS:

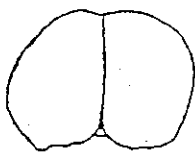
1=Broad

2=Intermediate

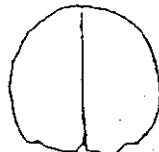
3=Spatulate

3

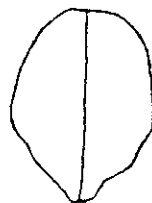
SHAPE OF FOURTH LEAF:



1



2



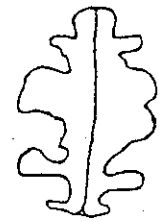
3



4



5



6

18

LENGTH/WIDTH INDEX OF FOURTH LEAF: L/W x 10

2

APICAL MARGIN:

1=Entire

4=Moderately Dentate

7=Lobed

4

BASAL MARGIN:

2=Crenate/Gnawed  
3=Finely Dentate

5=Coarsely Dentate  
6=Incised

8=OTHER (specify)

2

UNDULATION:

1=Flat

2=Slight

3=Medium

4=Marked

4

GREEN COLOR:

1=Yellow Green  
2=Light Green

3=Medium Green  
4=Dark Green

5=Blue Green  
6=Silver Green

7=Gray Green

ANTHOCYANIN:

1

DISTRIBUTION:

1=Absent  
2=Margin Only

3=Spotted  
4=Throughout

5=OTHER (specify)

1

CONCENTRATION:

1=Light

2=Moderate

3=Intense

1

ROLLING:

1=Absent

2=Present

1

CUPPING:

1=Uncupped

2=Slight

3=Markedly

1

REFLEXING:

1=None

2=Apical Margin

3=Lateral Margins

## 4. MATURE LEAVES (observe harvest-mature outer leaves):

NOTE: Provide color photo of harvest-mature leaves which accurately shows color and margin characteristics.

## MARGIN:

<input type="checkbox"/> 2	INCISION DEPTH: <i>(deepest penetration of the margin)</i>	1=Absent/Shallow (Dark Green Boston)	2=Moderate (Vanguard)	3=Deep (Great Lakes 659)
<input type="checkbox"/> 4	INDENTATION: <i>(finest divisions of the margin)</i>	1=Entire (Dark Green Boston)	3=Deeply Dentate (Great Lakes 659)	5=OTHER (specify)
		2=Shallowly Dentate (Great Lakes 65)	4=Crenate (Vanguard)	
<input type="checkbox"/> 2	UNDULATION OF THE APICAL MARGIN:	1=Absent/Slight (Dark Green Boston)	2=Moderate (Vanguard)	3=Strong (Great Lakes 659)
<input type="checkbox"/> 4	GREEN COLOR:	1=Very Light Green (Bibb)	3=Medium Green (Great Lakes)	5=Very Dark Green
		2=Light Green (Minetto)	4=Dark Green (Vanguard)	6=OTHER
ANTHOCYANIN (grown at or below 10 C):				
<input type="checkbox"/> 1	DISTRIBUTION:	1=Absent	3=Spotted (Calif. Cream Butter)	5=OTHER (specify)
		2=Margin Only (Big Boston)	4=Throughout (Prize Head)	
<input type="checkbox"/> -	CONCENTRATION:	1=Light (Iceberg)	2=Moderate (Prize Head)	3=Intense (Ruby)
<input type="checkbox"/> 3	SIZE:	1=Small	2=Medium	3=Large
<input type="checkbox"/> 1	GLOSSINESS:	1=Dull (Vanguard)	2=Moderate (Salinas)	3=Glossy (Great Lakes)
<input type="checkbox"/> 2	BLISTERING:	1=Absent/Slight (Salinas)	2=Moderate (Vanguard)	3=Strong (Prize Head)
<input type="checkbox"/> 2	LEAF THICKNESS:	1=Thin	2=Intermediate	3=Thick
<input type="checkbox"/> 2	TRICHOMES:	1=Absent (smooth)	2=Present (spiny)	

## 5. PLANT (at market stage. Choose a comparison variety appropriate for this type.):

<input type="checkbox"/> 46	SPREAD OF FRAME LEAVES: cm This Variety	<input type="checkbox"/> 48 cm ANNIE	(specify comparison variety)
<input type="checkbox"/> 115	HEAD DIAMETER (market trimmed with single cap leaf): cm This Variety	<input type="checkbox"/> 114 cm ANNIE	(specify comparison variety)
<input type="checkbox"/> 3	HEAD SHAPE:	1=Flattened 2=Slightly Flattened	3=Spherical 4=Elongate 5=Non-Heading 6=OTHER
<input type="checkbox"/> 3	HEAD SIZE CLASS:	1=Small	2=Medium 3=Large
<input type="checkbox"/> 24	HEAD COUNT PER CARTON		
<input type="checkbox"/> 700	HEAD WEIGHT: g This Variety	<input type="checkbox"/> 780 g ANNIE	(specify comparison variety)
<input type="checkbox"/> 3	HEAD FIRMNESS:	1=Loose 2=Moderate	3=Firm 4=Very Firm

## 6. BUTT (bottom of market-trimmed head):

<input type="checkbox"/> 3	SHAPE:	1=Slightly Concave	2=Flat	3=Rounded
<input type="checkbox"/> 1	MIDRIB:	1=Flattened (Salinas)	2=Moderately Raised	3=Prominently Raised (Great Lakes 659)

## 7. CORE (stem of market-trimmed head):

<input type="checkbox"/> 32	mm Diameter at base of head	
<input type="checkbox"/> 47	Ratio of head diameter/core diameter	
<input type="checkbox"/> 20	Core height from base of head to apex: mm This Variety	<input type="checkbox"/> 26 mm ANNIE
		(specify comparison variety)

## 8. BOLTING (Give First Water Date 19 MAY 98):

NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.

<input type="checkbox"/> 70	Number of days from First Water Date to seed stalk emergence (summer conditions): This Variety	<input type="checkbox"/> 66 ANNIE	(specify comparison variety)
<input type="checkbox"/> 2	BOLTING CLASS:	1=Very Slow 2=Slow	3=Medium 4=Rapid 5=Very Rapid
<input type="checkbox"/> 118	Height of mature seed stalk: cm This Variety	<input type="checkbox"/> 99 cm ANNIE	(specify comparison variety)

38

Spread of Bolter Plant (at widest point):

cm This Variety

58

cm

ANNIE

(specify comparison variety)

1

BOLTER LEAVES:

1=Straight

2=Curved

2

MARGIN:

1=Entire

2=Dentate

3

COLOR:

1=Light Green

2=Medium Green

3=Dark Green

BOLTER HABIT:

1

TERMINAL  
INFLORESCENCE:

1=Absent

2=Present

2

LATERAL SHOOTS:  
(above head)

1=Absent

2=Present

1

BASAL SIDE SHOOTS: 1=Absent

2=Present

## 9. MATURITY (earliness of harvest-mature head formation):

NOTE: Complete this section for at least one season.

SEASON	Applic. 1/ #of days	Check 2/ #of days	CHECK VARIETY 2/
Spring	<input type="text"/>	<input type="text"/>	
Summer	<input type="text"/>	<input type="text"/>	
Fall	96	106	ANNIE
Winter	<input type="text"/>	<input type="text"/>	

Give planting date(s), and location(s):

FALL ~~1966~~ SOUTHERN CALIFORNIA, WESTERN ARIZONA, 20 SEPTEMBER TO 5 OCTOBER  
CENTRAL CALIFORNIA (SAN JOAQUIN VALLEY), 25 AUGUST TO 15 SEPTEMBER

Summer

Fall

Winter

1/ First water date to harvest.

2/ Fill in check variety name on the appropriate line.

## 10. ADAPTATION:

PRIMARY REGIONS OF ADAPTION (tested and proven adapted):

(0=Not tested

1=Not Adapted

2=Adapted)

2

Southwest (Calif., Ariz. desert)

0

West Coast

0

Northeast

0

Northcentral

0

Southeast

0

OTHER

SEASON:

2

Spring (area

YUMA, IMPERIAL VALLEY  
SAN JOAQUIN VALLEY

0

Fall (area

0

Summer (area

0

Winter (area

0

GREENHOUSE:

0=Not tested

1=Not Adapted

2=Adapted

1

SOIL TYPE:

1=Mineral

2=Organic

3=Both



## 11. DISEASES AND STRESS REACTIONS (0=Not tested; 1=Susceptible; 2=Intermediate; 3=Resistant; 4=Highly resistant; 5=Tolerant):

VIRUS

- ☒ Big Vein  
☒ Lettuce Mosaic  
☐ Cucumber Mosaic  
☐ Broad Bean Wilt  
☐ Turnip Mosaic  
☐ Beet Western Yellows  
☐ Lett. Infectious Yellows  
☐ Other Virus \_\_\_\_\_

FUNGAL/BACTERIAL

- ☐ Corky Root Rot (Pythium Root Rot)  
☒ Downy Mildew (Races CA, II, III, IV, V)  
☐ Powdery Mildew  
☐ Sclerotinia Rot  
☐ Bacterial Soft Rot (Pseudomonas spp. & others)  
☒ Botrytis (Gray Mold)  
☐ OTHER \_\_\_\_\_

INSECTS

- ☐ Cabbage Loopers  
☐ Root Aphids  
☐ Green Peach Aphid  
☐ Other Insect \_\_\_\_\_

PHYSIOLOGICAL/STRESS

- ☒ Tipburn  
☒ Heat  
☐ Drought  
☒ Cold  
☐ Salt  
☒ Brown Rib (Rib Discoloration, Rib Blight)  
☐ OTHER \_\_\_\_\_

POST HARVEST

- ☐ Pink Rib  
☐ Russet Spotting  
☒ Rusty Brown Discoloration  
☐ Internal Rib Necrosis (Blackheart, Gray Rib, Gray Streak)  
☒ Brown Stain

## 12. BIOCHEMICAL OR ELECTROPHORETIC MARKERS:

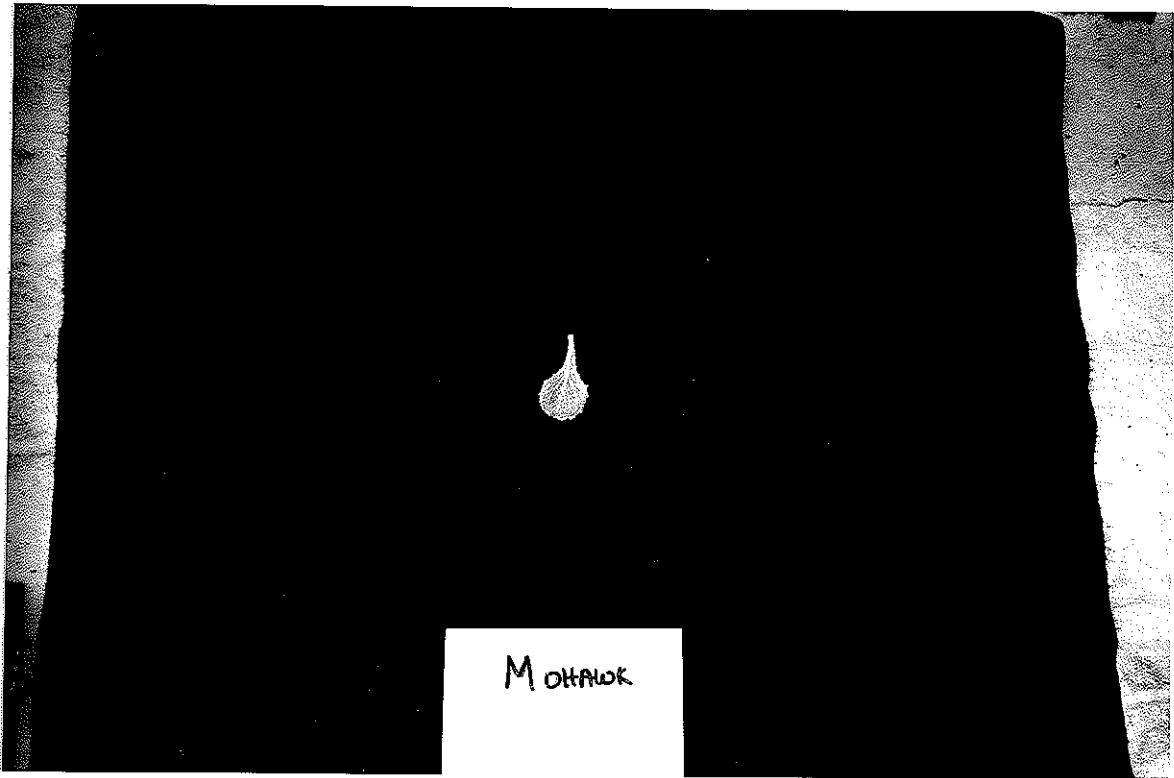
## 13. COMMENTS:

SUGGESTED CHECK VARIETIESTYPE

- 1) CUTTING/LEAF  
 2) BUTTERHEAD  
 3) BIBB  
 4) COS, OR ROMAINE  
 5) GREAT LAKES GROUP  
 6) VANGUARD GROUP  
 7) IMPERIAL GROUP  
 8) EASTERN GROUP  
 9) STEM  
 10) LATIN

CHECK VARIETY

SALAD BOWL  
 DARK GREEN BOSTON  
 BIBB  
 PARRIS ISLAND  
 GREAT LAKES 659-700  
 VANGUARD  
 VIVA  
 ITHACA  
 CELTUCE  
 MATCHLESS



**Fourth Leaf from 20-Day old Seedlings, Mohawk (PSR 6386)**



**Harvest-Mature Leaf, Mohawk (PSR 6386)**

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S)  Seminis Vegetable Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  PSR 6386	3. VARIETY NAME  Mohawk
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  2700 Camino del Sol Oxnard, CA 93030-7967	5. TELEPHONE (Include area code)  (805) 647-1572	6. FAX (Include area code)  (805) 918-2545
7. PVPO NUMBER  200000070		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.

☒

YES

☐

NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.

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YES

☐

NO

10. Is the applicant the original owner?

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YES

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NO

If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐

YES

☐

NO

If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐

YES

☐

NO

If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

The variety named in this application was developed by the Seminis Vegetable Seeds, Inc., employee (breeder) named below. Unless otherwise stated, all rights to the varieties developed by Seminis Vegetable Seeds, Inc. are assigned to the Company by agreement or by operation of law. No rights to such invention, discovery or development are retained by the employee(s).

Employee (Breeder): Bill Waycott

Site Location: Arroyo Grande, CA

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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